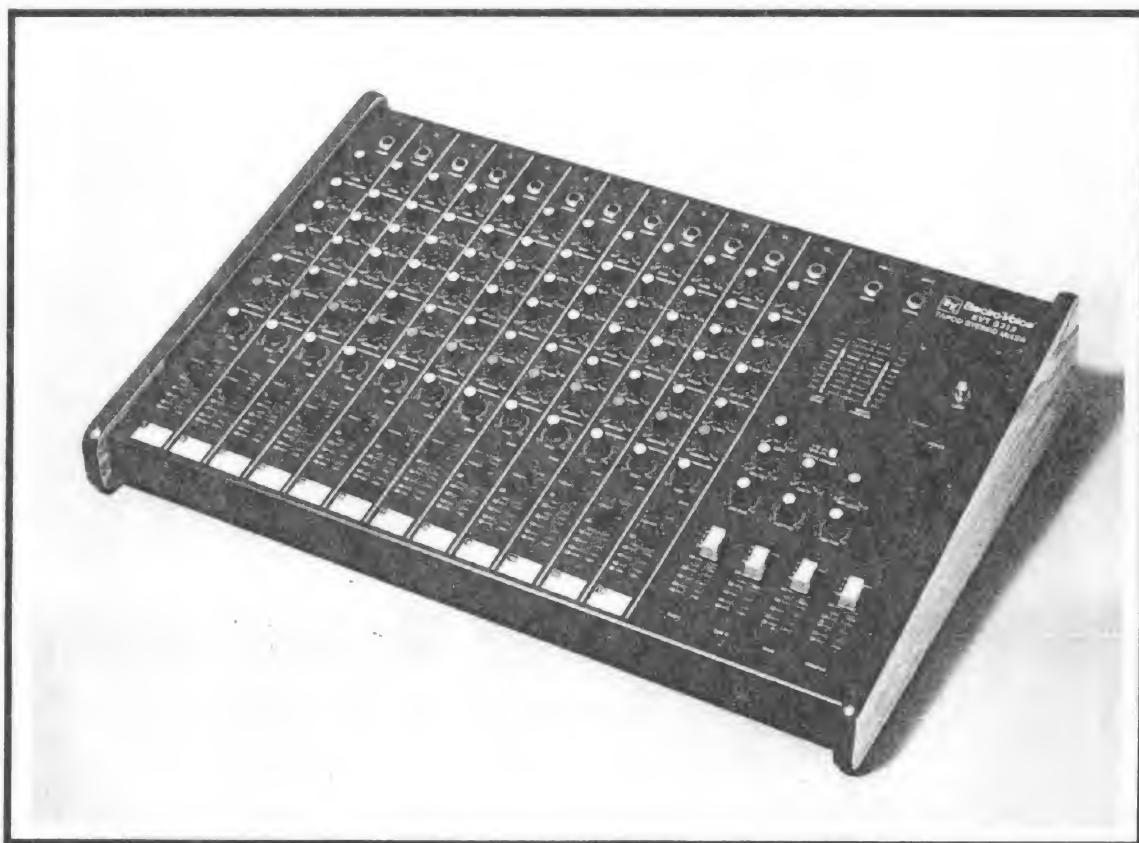


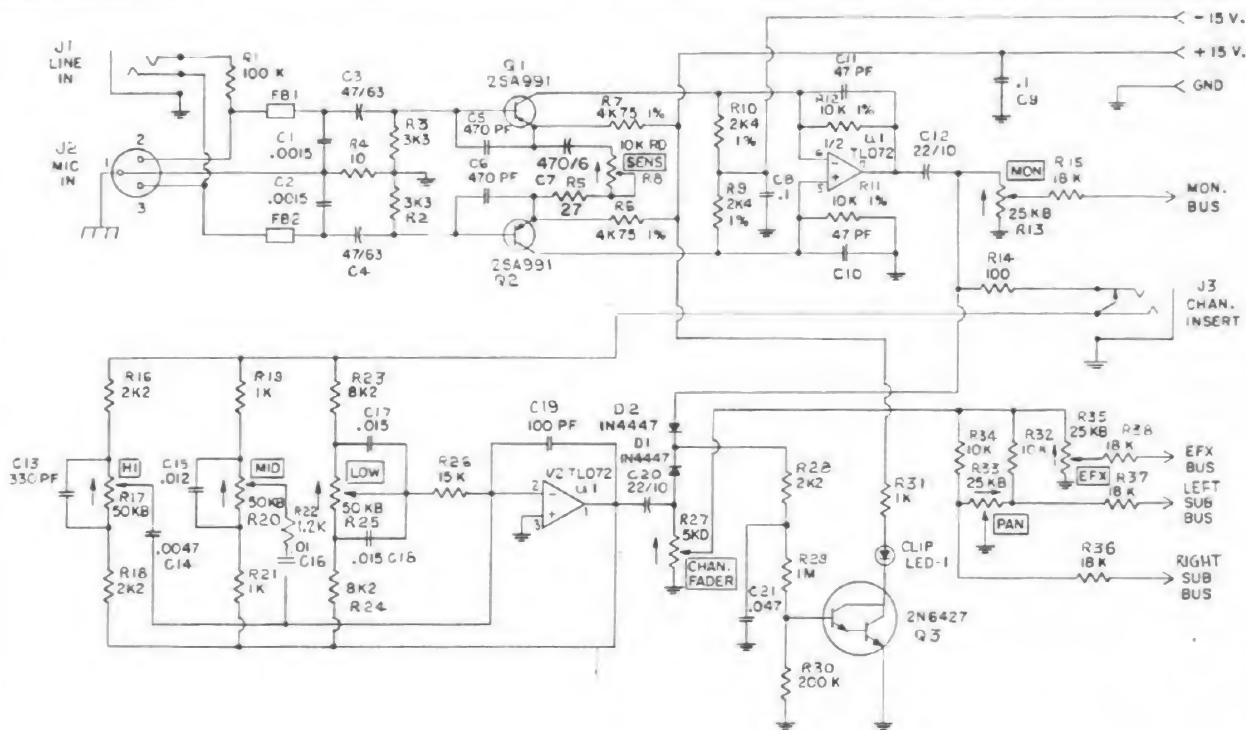
**EV** **Electro-Voice®**  
**SERIES 52**  
**TAPCO STEREO MIXERS**



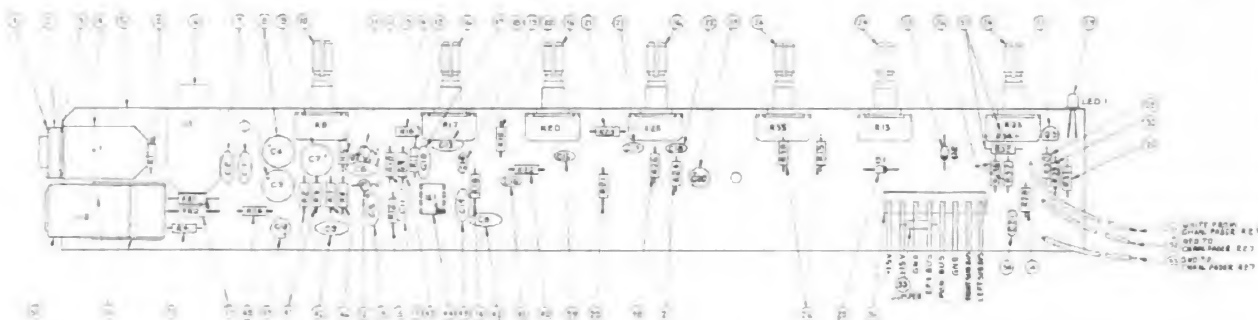
**EVT 5212**  
**STEREO MIXER**

a **gulton** company

# **SERVICE MANUAL**



**INPUT BOARD**



**PC BOARD  
800166**

R4-	53	005829	1	RESISTOR, 1/4 W., 5%, 10K
	52	451130	1	PC BOARD, 800166
U2	51	300113	1	CONNECTOR, 2LR, ADC
	50	500074	2	SCREW, #4-40 x 1/4 TWD CUT
FB1-FB2	49	009902	2	BEAD, FERRITE
R14	48	005853	1	RESISTOR, 1/4 W., 5%, 100K
R2-R3	47	005889	2	RESISTOR, 1/4 W., 5%, 3.3K
R6-R7	46	005602	2	RESISTOR, 1/4 W., 5%, 4.75K
R9-R10	45	005792	2	RESISTOR, 1/4 W., 5%, 2.4K
U1	44	007010	1	IC, T-012
C19	43	004037	1	CAPACITOR, CER DISC, 100 pF
C8-C9	42	004091	2	CAPACITOR, CER DISC, 0.1 mfd
C16	41	003037	1	CAPACITOR, FILM, 0.1 mfd
R22	40	005879	1	RESISTOR, 1/4 W., 5%, 1.2K
C15	39	003040	1	CAPACITOR, FILM, 0.1 mfd, 50 V
R26	38	005906	1	RESISTOR, 1/4 W., 5%, 15K
R32-R33	37	005902	2	RESISTOR, 1/4 W., 5%, 10K
	36	300050	1	CONNECTOR, MTS, MALE, 8 PIN
	35	452505-2	1	JUMPER, 0.4 LG
C21	34	003061	1	CAPACITOR, FILM, .047 mfd
	33	100048	1	WIRE, #22 GA., BLACK, 4.8" LG
	32	127018	1	WIRE, #22 GA., RED, 1.8" LG
	31	199053	1	WIRE, #22 GA., WHITE, 5.3 LG
R29	30	005951	1	RESISTOR, 1/4 W., 5%, 1M
LED1	29	008064	1	LED, 1.1
R30	28	005933	1	RESISTOR, 1/4 W., 5%, 200K
Q3	27	006021	1	TRANSISTOR, 2N6427

R5-R6-R7-R8	26	005908	4	RESISTOR, 1/4 W., 5%, 15K
D1-D2	25	0060493	2	DIODE, IN4447
R15-R16-R17	24	005490	3	POT, ROTARY, 25 KB
C12-C20	23	007209	2	CAPACITOR, ELECT, 22 mfd, 10 V
C17-C18	22	003048	2	CAPACITOR, FILM, .015 mfd
R23-R24	21	005879	2	RESISTOR, 1/4 W., 5%, 8.2K
R19-R21-R24	20	005877	3	RESISTOR, 1/4 W., 5%, 1K
C14	19	003025	1	CAPACITOR, FILM, .0047 mfd
C13	18	004046	1	CAPACITOR, CER DISC, 330 pF
C10-C11	17	004025	2	CAPACITOR, CER DISC, 47 pF
R17-R20-R25	16	005493	3	POT, ROTARY, 50 KB
R11-R12	15	005793	2	RESISTOR, 1/4 W., 5%, 10K
R18-R19-R20	14	005885	3	RESISTOR, 1/4 W., 5%, 2.2K
C5-C6	13	004050	2	CAPACITOR, CER DISC, 470 pF
Q1-Q2	12	006054	2	TRANSISTOR, 2SA991
R5	11	005859	1	RESISTOR, 1/4 W., 5%, 27K
R8	10	005491	1	POT, ROTARY, 10 KRD
R7	9	001121	1	CAPACITOR, ELECT, .470 mfd, 6.3 V
C3-C4	8	001121	2	CAPACITOR, ELECT, .47 mfd, 6.3 V
C1-C2	7	004084	2	CAPACITOR, CER DISC, .0015 mfd
J3	6	300170	1	CONNECTOR, 1/4" PHONE, KN113 B-PC
R1	5	005376	1	RESISTOR, 1/4 W., 5%, 100K
J1	4	300111	1	CONNECTOR, 1/4" PHONE, PN112
	3	452021	1	WATHER, FLAT, FISHPAPER
	2	500591	1	NUT, WFT, 3/8 - 32
	1	460242	1	BRACKET, GROUND
REF. NO.	ITEM	PART NO	QTY	DESCRIPTION

BILL OF MATERIAL FOR ONE COMPLETE UNIT

**PARTS LIST**

## GENERAL SERVICING INFORMATION

Most TAPCO circuitry is built around commonly available IC operational amplifiers. A certain amount of familiarity with operational amplifier theory and operation will facilitate servicing this unit. Throughout this manual, the following convention will be used when discussing the various amplifier stages: U1 (1). This is to be interpreted as follows: Chip designation U1, output pin = 1.

The output pin of the opamp is particularly significant because all of the unit's stages are referenced to ground. Thus, the normal quiescent voltage at any op-amp output is 0 volts DC, give or take a few millivolts. Any op-amp output that is not at 0 volts DC is suspect, especially if it is at or near one of the direct supply rails. Beware, however, as much of the circuitry is direct coupled. Thus, it is important to look backward towards the input to localize the exact cause of trouble.

## DISASSEMBLY INSTRUCTIONS

To gain access to the internal boards, simply remove the six (6) phillips head sheet metal screws from the bottom panel.

## INPUT BOARDS

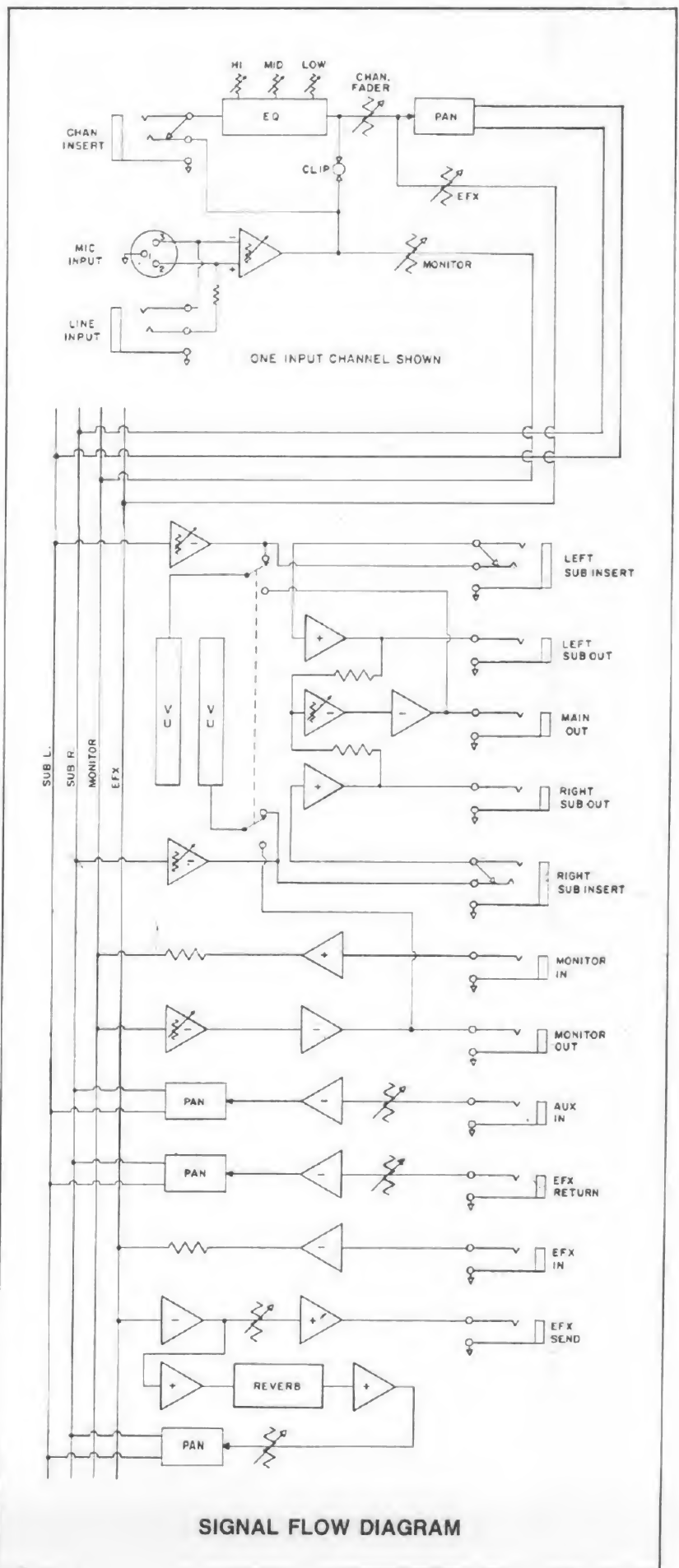
Any input board can be removed by removing the phillips head sheet metal screw adjacent to the 1/4" "line input" jack, all of the control knobs, the nuts securing the controls to the panel and the nut securing the "insert" jack. The fader can be disconnected by unsoldering or removed with the board by removing the two phillips head sheet metal screws securing the fader to the panel.

## LEFT & RIGHT SUB BOARDS

The Left and Right Sub boards are disassembled from the panel by removing the control knobs and nuts from the controls, the nut from the insert jack and unsoldering the leads from the fader control and the appropriate jacks on the back panel.

## MAIN/MONITOR BOARD

The Main/Monitor board is removed by removing the control knobs (Rev. Level and Rev. Pan) and the nuts from the controls, the phillips head screw and nut through the heat sink and unsoldering the leads from the Main/Monitor faders and the appropriate jacks on the back panel.



SIGNAL FLOW DIAGRAM

**SERIES 52 TAPCO STEREO MIXERS****GENERAL SPECIFICATIONS****FREQUENCY RESPONSE ( $\pm 1$  dB)**

Mic In to any output, 20 Hz — 20 kHz  
EQ Flat, all faders nominal

**DISTORTION****Total Harmonic Distortion**

THD 20 - 20 kHz at less than 0.05%  
+4 dB

THD 20 - 20 kHz at less than 0.10%  
+20 dB

I.M, SMPTE, 1 dB less than 0.10%  
below clip

**HUM and NOISE\***

(20 Hz - 20 kHz with 150 ohm input impedance)

EIN - equivalent input noise -128 dB

Residual at main out -90 dB  
(all faders down)

Residual at Monitor out -90 dB

Main out with Main, -75 dB  
Subs and 1 fader at  
Nominal (44 dB total gain)

Monitor out with Monitor -80 dB  
Master and 1 Fader at  
Nominal (44 dB total gain)

**INPUT CHANNEL EQUALIZATION**

LOW — Shelving at 100 Hz  $\pm 15$  dB

MID — Peak/notch at 3 kHz  $\pm 12$  dB

HIGH — Shelving at 10 kHz  $\pm 15$  dB

**MICROPHONE INPUTS\***

Low Impedance, Pin 2 reference  
Balanced, positive

EIN (20 Hz-20 kHz: -128 dB  
150 ohm source)\*\*

Maximum Input Level +8 dB (2.0V)

Input Impedance at 1 kHz 6 K ohms

CMRR - Common Mode 65 dB typical  
Rejection Ratio

CMRR - Ratio (60 Hz- 50 dB min.  
10 kHz)

SLEW RATE (measured 15 V./ $\mu$ sec  
at Insert Jack)

**LINE INPUTS\***

High Impedance - tip positive  
Unbalanced

Maximum Input Level +34 dB (40.0 V)

Input Impedance 100 K ohms

**PEAK INDICATORS\***

Threshold  $\pm 2$  dB +15 dB

**MAXIMUM VOLTAGE GAIN  $\pm 3$  dB**

Mic In to Main Out 82 dB

Mic In to Monitor Out 73 dB

Mic In to Sub Out 65 dB

Mic In to Insert Jack 52 dB

Mic In to Efx send 82 dB

Line In to Main Out 49 dB

Line In to Monitor Out 39 dB

Line In to Sub Out 32 dB

Line In to Insert Jack 19 dB

Line In to Efx send 49 dB

**CROSSTALK**

Adjacent Inputs 1 kHz -75 dB typical

Input to Output 1 kHz -75 dB typical

All combinations

20 Hz - 20 kHz

**LAMP CONNECTOR**

BNC connector

12.6 V ac/0.20

amps Max.

**LEVEL DISPLAY\***

10 Segment LED in

3 dB steps

Reference "0"

Response

-18 dB to +9 dB

+4 dB

Full wave, Average  
Responding

**DIMENSIONS**

	Model 5208		Model 5212		Model 5216	
	mm	in.	mm	in.	mm	in.
Height	143	5-5/8	143	5-5/8	143	5-5/8
Depth	480	18-7/8	480	18-7/8	480	19-7/8
Width	528	20-3/4	680	26-3/4	832	32-3/4
Net	kg	lb	kg	lb	kg	lb
Weight	10.7	23-1/2	13.8	30-1/2	16.8	37

**POWER REQUIREMENT** 25 Watts max.

Available for 95 — 130 Volts, 50/60 Hz or

190 — 260 Volts, 50/60 Hz as indicated on  
rear panel.

**HIGH LEVEL INPUTS**

	Max. Level*	Input Impedance, Ohms	Max. Source Impedance, Ohms
Left insert	+20 dB	100K	—
Right insert	+20	100K	—
Efx return	—	$\geq 25$ K	—
Efx input	+40	25 K	—
Monitor input	+29	10 K	—
Aux input	—	$\geq 16$ K	—
Input chan insert	+20	1.8 K flat	100
		EQ	
	+5	1 K max boost EQ	

**OUTPUTS**

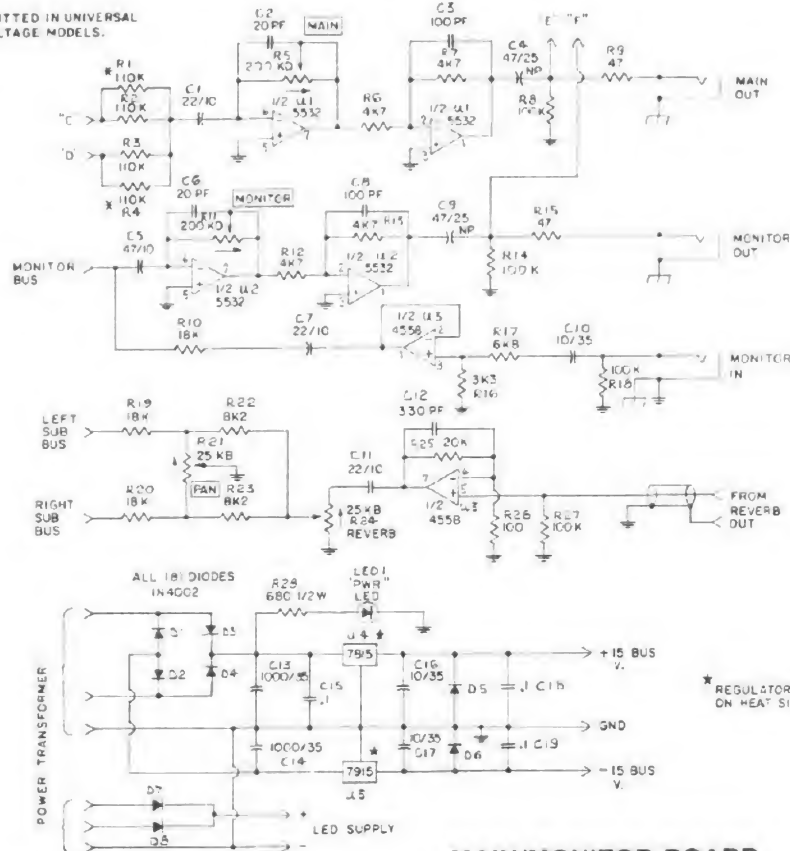
Max. level ( $\pm 1$  dB) into min. load impedance

	Max. Level	Min. Load	Internal Impedance
Main	+20 dB	600 $\Omega$	50 $\Omega$
Monitor	+20 dB	600 $\Omega$	50 $\Omega$
Left sub	+20 dB	600 $\Omega$	50 $\Omega$
Right sub	+20 dB	600 $\Omega$	50 $\Omega$
Left insert	+20 dB	600 $\Omega$	50 $\Omega$
Right insert	+20 dB	600 $\Omega$	50 $\Omega$
Efx send	+20 dB	600 $\Omega$	50 $\Omega$
Input chan insert	+20 dB	2000 $\Omega$	100 $\Omega$

\* 0 dB is referenced to 0.775 Volt, RMS.

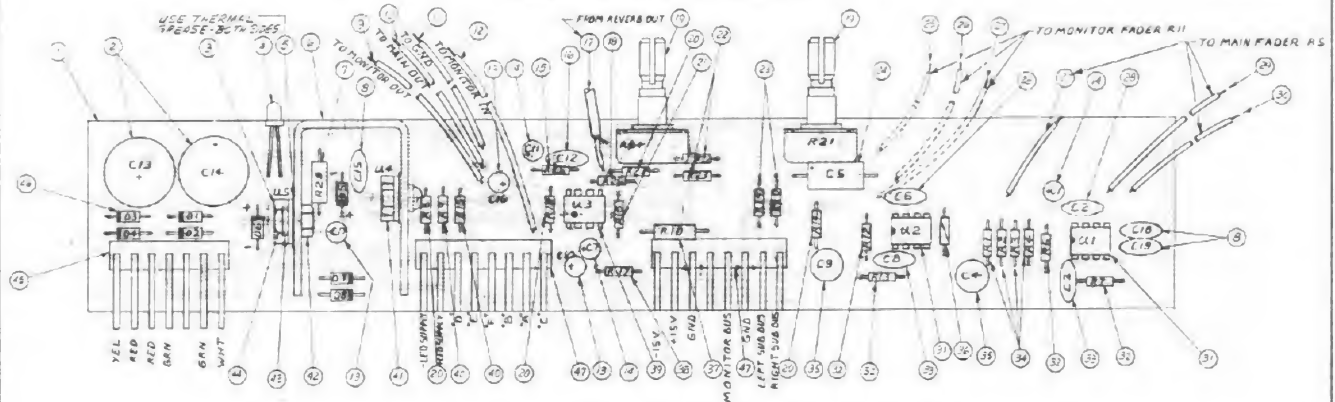
\*\* Theoretical minimum noise is -130.8 dB across  
150 ohms.

\* OMITTED IN UNIVERSAL  
VOLTAGE MODELS.



POWER TRANSFORMER

MAIN/MONITOR BOARD



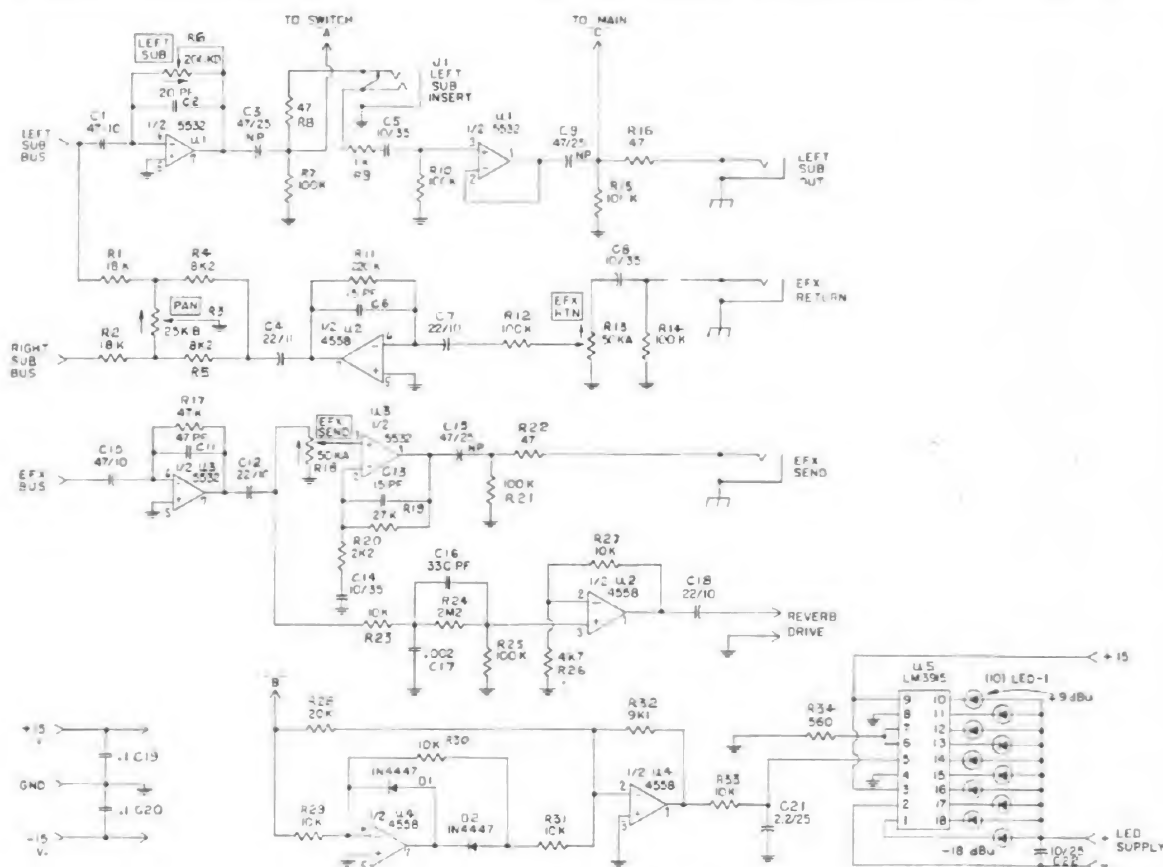
PC BOARD  
800169

DI THRU DB	QTY	PART NO.	DESCRIPTION
47	300050	2	CONNECTOR, MTS MALE, 8 PIN
46	008022	8	DIODE, IN4002
45	300049	1	HEADER, 7 PIN, SQ. POST, .045 RQ.
44	500070	2	SCREW, #4-40x3/8, P.H. X REC.
43	303300	2	WASHER, SHOULDER, INS., #4
42	500593	2	NUT, #4-40, NYLOCK
U4	007103	1	I.C., 7815
R9-R15	005845	2	RESISTOR, 1/4W, 5%, 47K
U3	007006	1	I.C., RC4558
R17	005897	1	RESISTOR, 1/4W, 5%, 6.8K
R10	005098	1	RESISTOR, 1/4W, 5%, 18K
36	452503	2	JUMPER, 0.4"
C4-C9	004216	2	CAPACITOR, ELECT, N.P., 47mfd, 25V.
R1-R2-R3-R4	005927	4	RESISTOR, 1/4W, 5%, 110K
C3-C8	004037	2	CAPACITOR, CER. DISC, 100 PF
R6-R7-R12-R13	005893	4	RESISTOR, 1/4W, 5%, 4.7K
U1-U2	007013	2	I.C., NE5532
30	199030	1	WIRE, #22 GA, WHITE, 3.0" LG.
29	100030	1	WIRE, #22 GA, BLACK, 3.0" LG.
C2-C6	004013	2	CAPACITOR, CER. DISC, 20 PF
27	122018	2	WIRE, #22 GA, RED, 1.8" LG.
26	199053	1	WIRE, #22 GA, WHITE, 3.3" LG.
25	100048	1	WIRE, #22 GA, BLACK, 4.8" LG.
C5	001211	1	CAPACITOR, ELECT, 47mfd 10V.

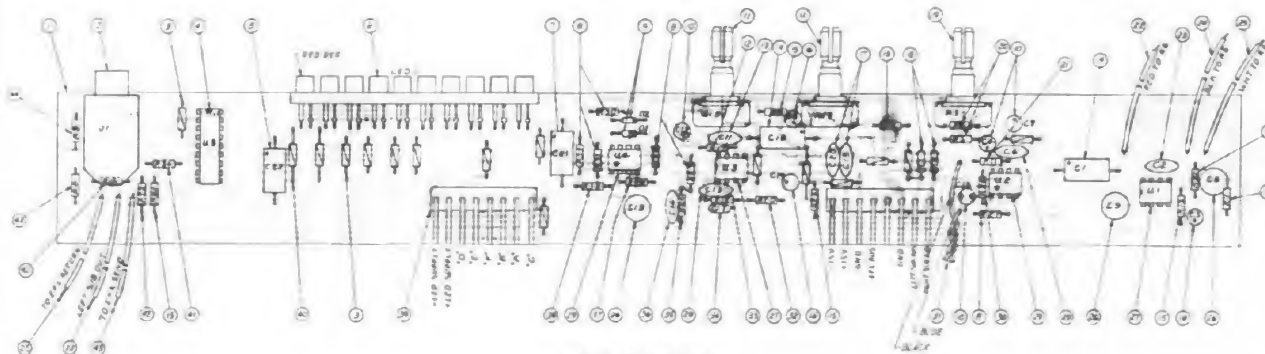
R19-R20	23	005908	2	RESISTOR, 1/4W, 5%, 18K
R22-R23	22	005899	2	RESISTOR, 1/4W, 5%, 8.2K
R16	21	005889	1	RESISTOR, 1/4W, 5%, 3.3K
R8-R9-R27-R18	20	005926	4	RESISTOR, 1/4W, 5%, 100K
R21-R24	19	005490	2	POT, ROTARY, 25KB
R25	18	005853	1	RESISTOR, 1/4W, 5%, 100K
17	804258	1	CABLE SA	
C11	16	004046	1	CAPACITOR, CER. DISC, 330 PF.
R25	15	005909	1	RESISTOR, 1/4W, 5%, 20K
C1-C7-C11	14	001209	3	CAPACITOR, ELECT., 22 mfd 10V.
C10-C16-C17	13	001505	3	CAPACITOR, ELECT., 10 mfd 35V.
12	199180	1	WIRE, #22 GA., WHITE, 13.0" LG.	
11	100110	1	WIRE, #22 GA, BLACK, 11.0 "LG.	
10	122120	1	WIRE #22 GA, RED, 12.0" LG.	
9	166115	1	WIRE, #22 GA, BLUE, 11.5 "LG.	
C15-C18-C19	8	004091	3	CAPACITOR, CER. DISC, 0.1 mfd.
R28	7	005064	1	RESISTOR, 1/4W, 5 %, 680K
6	460237	1	HEAT-SINK, REGULATOR	
5	303213	2	WASHER, MICA, TO 220	
LED-1	4	008064	1	LED, T-1
U5	3	007153	1	I.C., 7915
C13-C14	2	001529	2	CAPACITOR, ELECT., 1000 mfd., 35V.
1	451133	1	P.C. BOARD, MAIN-MONITOR	
REF. NO.	ITEM	PART NO.	QTY	DESCRIPTION

PARTS LIST





**LEFT SUB BOARD**

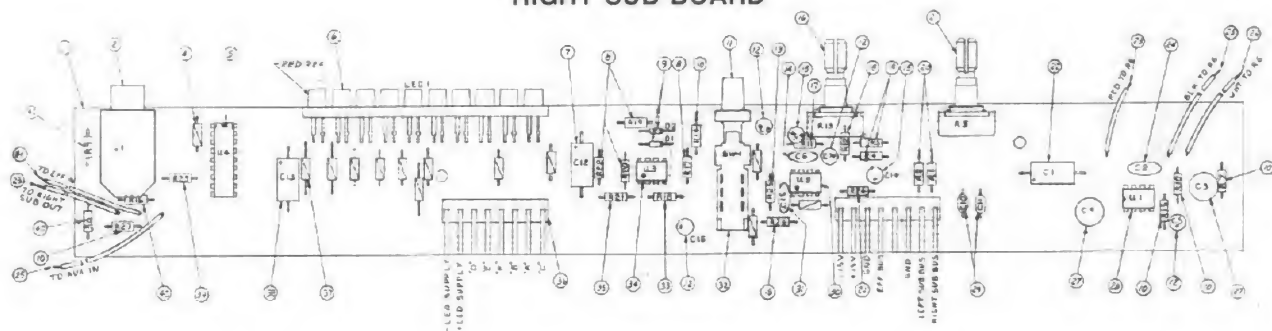
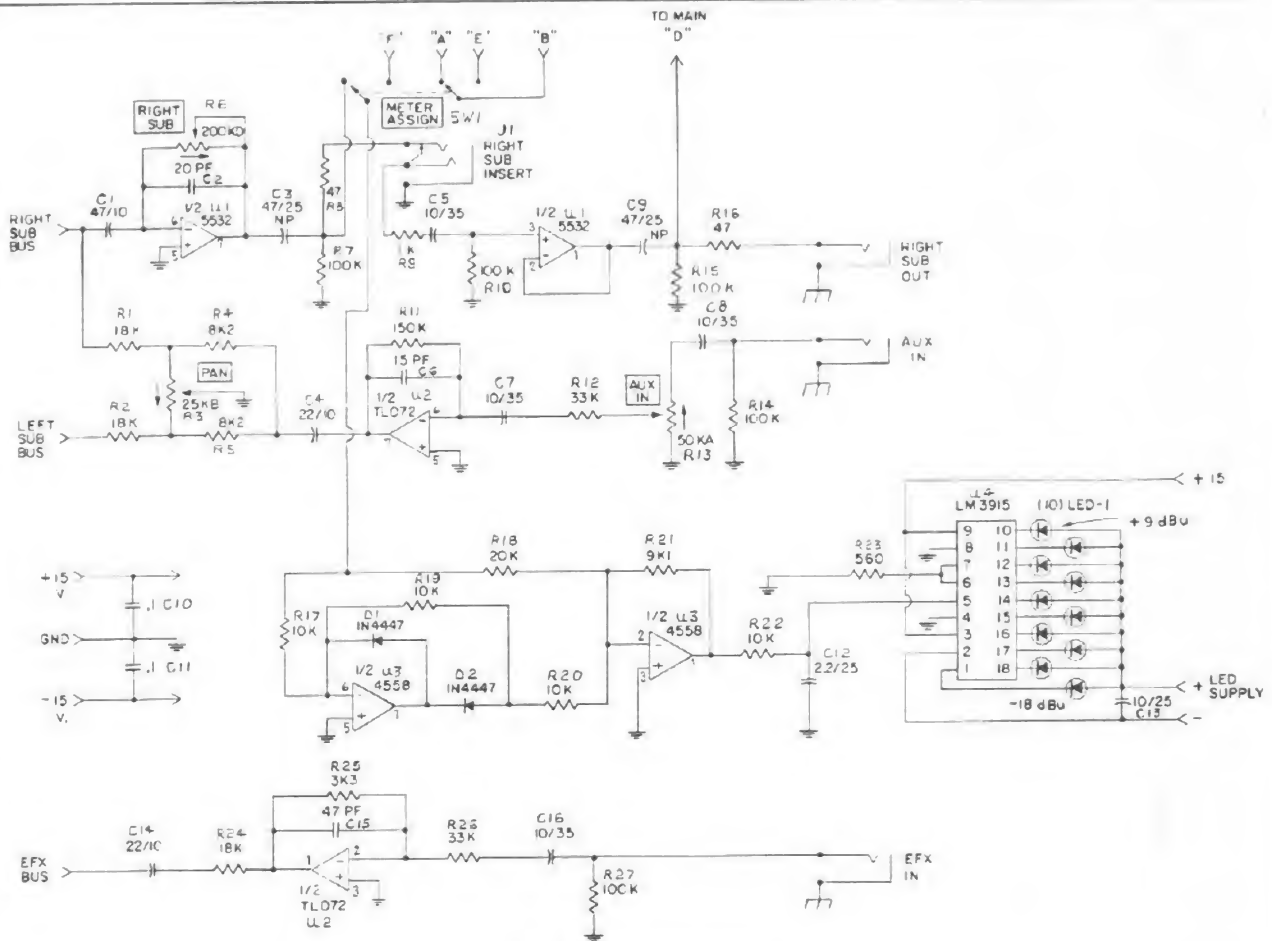


**PC BOARD  
800167**

R9	44	005871	1	RESISTOR, 1/4 W, 5%, 1K, 1/4"
AB-R16-R22	43	166030	1	WIRE, #22 GA, BLUE, 3.0" LG.
R34	42	005845	3	RESISTOR, 1/4 W, 5%, 47 R.
	41	005871	1	RESISTOR, 1/4 W, 5%, 560 R.
	40	452503	3	JUMPER, 0.6" LG.
	39	300050	2	CONNECTOR, MTS, MALE, 8 PIN
R32	38	005900	1	RESISTOR, 1/4 W, 5%, 91K
R28	37	005909	1	RESISTOR, 1/4 W, 5%, 20K
C16	36	004046	1	CAPACITOR, CER. DISC, 330M
R24	35	005959	1	RESISTOR, 1/4 W, 5%, 2.2 MEG.
C17	34	003113	1	CAPACITOR, FILM, .0022 MFD
R19	33	005912	1	RESISTOR, 1/4 W, 5%, 27K
R20	32	005885	1	RESISTOR, 1/4 W, 5%, 2.2K
	31	804257	1	WIRE S/A
R26	30	005893	1	RESISTOR, 1/4 W, 5%, 4.7K
U2-U4	29	007006	2	I.C., PC4558
C6-C13	28	004010	2	CAPACITOR, CER. DISC, 15 PF
U1-U3	27	007013	2	I.C., NE5532
C8-C3-C15	26	004216	3	CAPACITOR, ELECT., 47MFD, 25V
	25	190030	2	WIRE, #22 GA, WHITE, 3.0 LG.
	24	100030	1	WIRE, #22 GA, BLACK, 3.0 LG.
C2	23	004013	1	CAPACITOR, CER. DISK, 20 PF

	22	122018	2	WIRE, #22 GA., RED, 1.8" LG.
R11	21	005954	1	RESISTOR, 1/4 W, 5%, 220K
R4-R5	20	005899	2	RESISTOR, 1/4 W, 5%, 8.2K
R3	19	005430	1	POT., ROTARY, 25KB
R1-R2	18	005908	2	RESISTOR, 1/4 W, 5%, 18K
C19-C20	17	004091	2	CAPACITOR, CER. DISC, 0.1MFD
C8-C3-C14	16	001505	3	CAPACITOR, ELECT., 10MFD, 35V
R7-R12-R15-R18	15	005926	7	RESISTOR, 1/4 W, 5%, 100K
C1-C10	14	001211	2	CAPACITOR, ELECT., AXIAL, 47MFD, 10V
	13	004025	1	CAPACITOR, CER. DISC, 47 PF
C11	12	005918	1	RESISTOR, 1/4 W, 5%, 47K
R13-R14	11	005492	2	POT., ROTARY, 50KA
C4-C7-C13	10	001209	4	CAPACITOR, ELECT., 22MFD, 10V
D1-D2	9	008049-3	2	DIODE, IN4447
R32-R33-R35	8	005902	6	RESISTOR, 1/4 W, 5%, 10K
C21	7	001403	1	CAPACITOR, ELECT., AXIAL, 2.2MFD, 25V
LED1	6	455008	1	LED ARRAY, 10 STA.
C22	5	001406	1	CAPACITOR, ELECT., AXIAL, 10MFD, 25V
U5	4	007200	1	I.C., LM3915N
	3	452503-2	12	JUMPER, 0.4" LG.
J1	2	300120	1	CONNECTOR, 1/4" INSERT JACK
	1	451131	1	PC BOARD, LEFT SUB
REF. NO.	ITEM	PART NO.	REQ	DESCRIPTION

**PARTS LIST**



PC BOARD  
800168

R9	42	005877	1	RESISTOR, 1/4 W, 5%, 1K, CF
	41	164030	1	WIRE, #22 GA., BLUE, 3.0" LG.
R18-R19	40	005845	2	RESISTOR, 1/4 W, 5%, CF, 47Ω
R23	39	005871	1	RESISTOR, 1/4 W, 5%, 560 Ω
C13	38	001406	1	CAPACITOR, ELECT., ALUM., 10μF, 25V
	37	452503	3	JUMPER, 0.6" LG.
	36	300050	2	CONNECTOR, MTS, MALE, 6 PIN
R21	35	005900	1	RESISTOR, 1/4 W, 5%, 91K CF
U3	34	007006	1	I.C., RC4558
R18	33	005909	1	RESISTOR, 1/4 W, 5%, 20K
SW-1	32	301023	1	SWITCH, PUSH-PUSH, DPDT
C15	31	004025	1	CAPACITOR, CER. DISC, 47 PF
U2	30	007010	1	I.C., TL072
C10-C11	29	004091	2	CAPACITOR, CER. DISC, 0.1μF
U1	28	007013	1	I.C., HE5532
C3-C9	27	004216	2	CAPACITOR, ELECT., 47μF, 25V, NP
	26	199030	2	WIRE, #22 GA., WHITE, 3.0" LG.
	25	100030	1	WIRE, #22 GA., BLACK, 3.0" LG.
G2	24	004013	1	CAPACITOR, CER. DISC, 20 PF
	23	122018	2	WIRE, #22 GA., RED 18" LG.
C1	22	001211	1	CAPACITOR, ELECT., 47μF, 10V
R3	21	005430	1	POT, ROTARY 25KB

R1-R2-R24	20	005908	3	RESISTOR, 1/4 W, 5%, CF, 18K
R4-R5	19	005899	2	RESISTOR, 1/4 W, 5%, 8.2K
R12-R16	18	005914	2	RESISTOR, 1/4 W, 5%, 33K
R11	17	005930	1	RESISTOR, 1/4 W, 5%, 150K
R13	16	005432	1	POT, ROTARY, 50KA
C4-C14	15	001209	2	CAPACITOR, ELECT., 22μF, 10V
G6	14	004010	1	CAPACITOR, CER. DISC, 15 PF
R25	13	005889	1	RESISTOR, 1/4 W, 5%, 3.3K
C5-C7-C8-C16	12	001505	4	CAPACITOR, ELECT., 10μF, 35V
	11	400051	1	KNOB, SQUARE-PUSH
R7-10-14-15-27	10	005926	5	RESISTOR, 1/4 W, 5%, CF, 100K
D1-D2	9	008049	2	DIODE, 1N4447
R11-R14-R20-R23	8	005902	4	RESISTOR, 1/4 W, 5%, 10K
C12	7	001403	1	CAPACITOR, ELECTROLYTIC, 22μF, 25V
LED1	6	455008	1	L.E.D. ARRAY, 10 STA.
U4	5	007200	1	I.C. LM3915N
	4	452503-2	10	JUMPER, 0.6"
	3			
U1	2	300120	1	CONNECTOR, 1/4" PATCH JACK
	1	451132	1	P.C. BOARD, SUB RIGHT
REF. NO.	ITEM	PART NO.	QTY	DESCRIPTION
BILL OF MATERIAL FOR ONE COMPLETE UNIT				

PARTS LIST

## REPAIR PARTS

Service parts are available from the Redmond factory.  
Contact us by phone or mail.

Our address: Electro-Voice, Inc.  
3810 148th Ave. NE  
Redmond, WA 98052

206/881-9555  
(8AM-4PM pacific time zone)

If you are ordering parts and do not have the six digit part number, please include the model and serial number of the unit, the assembly part number and revision. The assembly part number/revision is a six digit, one letter code beginning with 800 that is rubber stamped on the parts side of the PCB assembly. In lieu of this information, the two digit, one letter code etched into the foil side of the PCB is helpful. If you are ordering a control or switch, tell us the function name... power, frequency, input level, etc.

In any event, be sure to include the following information:

Your Name  
Shipping address  
(no post office boxes, please)  
City, State, Zip  
Daytime phone number  
Method of shipment  
(UPS ground if not specified)

If you call us for assistance on/with a problem, please have the EXACT model number, serial and assembly part numbers handy.

## WARRANTY (Limited)

Electro-Voice Professional Sound Reinforcement Electronic Products are guaranteed for one year from date of original purchase against malfunction due to defects in workmanship and materials. If such malfunction occurs, unit will be repaired or replaced (at our option) without charge for materials or labor if delivered prepaid to the proper Electro-Voice service facility. Unit will be returned prepaid. Warranty does not cover finish or appearance items or malfunction due to abuse or operation at other than specified conditions. Repair by other than Electro-Voice or its authorized service agencies will void this guarantee.

59	300109	1	WIRE CONNECTOR
58	454463	1	WIRE, #22 AWG, TEW, BLACK, 7.5 IN
57	500107	8	SCREW, 6-20 x 1/2, PAN HD, CR, TYPE AB
56	500862	1	CABLE TIE BASE
55	500850	1	CABLE TIE
54	500593	1	NUT, #4-40, NYLOCK
53	500070	1	SCREW #4-40 x 3/8, C.R., P.H., BLK, STL
52	303008	1	LUG, SOLDER, #8 I.T.
51	300062	1	CONNECTOR, MTS, 7 PIN
50	301024	1	SWITCH, ROCKER, POWER
49	804260	1	CABLE S/A MTS 8 PIN (3)
48	804262	1	CABLE S/A MTS 8 PIN (11)
47	303015	1	LUG, SOLDER, 3/8 INT. TH.
46	500291	3	NUT, #8-32, KEP
45	300121	1	CONNECTOR, BNC
44	500125	37	SCREW, TYPE AB, #6-20 x 1/2 PAN HD, SCR. BLK. PHILL.
43	400082	4	KNOB, SLIDER, RED
42	005477	8	POTENTIOMETER, SLIDE, 60MM, 5K D
41	475007	1	END CAP, LEFT
40	500712	63	WASHER, LOCK, INT. TH., 7 MM
39	460235	4	SIDE RAIL
38	450290	1	CHASSIS (PAINTED: 440196)
37	500081	24	WASHER, LOCK #4, EXT. TOOTH
36	452121	12	DUST BARRIER, FOAM
35	400075	8	KNOB, SLIDER, BLK.
34	500708	24	SCREW, M3 x 8MM LG. PAN HD. PHILL. BLK.
33	400078	11	INSERT, KNOB, YELLOW (REF. "Y")
32	400079	8	INSERT, KNOB, GREEN (REF. "GN")
31	400077	9	INSERT, KNOB, BLUE (REF. "B")

30	400080	24	INSERT, KNOB, GRAY (REF. "GY")
29	400076	11	INSERT, KNOB, RED (REF. "R")
28	500702	63	NUT, HEX, 7MM
27	500703	63	WASHER, FLAT, 7MM
26	400074	63	KNOB, ROTARY
25	303081	1	REVERB
24	440195	1	PANEL, BOTTOM
23	452400	3	WIRE SOLID, #22 GA, BARE, 2 1/2 LG.
22	452021	20	WASHER, FISH PAPER 3/8
21	450063	1	LABEL, SERIAL NO.
20	800166	8	P.C. BOARD S/A, INPUT
19	500680	9	WASHER, LOCK, INT. TH. 3/8
18	500681	19	WASHER, FLAT, 3/8
17	500591	20	NUT, HEX, 3/8-32
16	300052	9	JACK, 1/4" PHONE HI-D
15	800167	1	P.C. BOARD S/A LEFT SUB
14	800168	1	P.C. BOARD S/A, RIGHT SUB
13	303108	1	FUSE, 1/4 A. 3AG SLO-BLOW
12	303120	1	FUSE HOLDER
11	303028	1	STRAIN RELIEF, HEYCO
10	303066	1	LINE CORD, SJT
9	500685	2	WASHER, FLAT, #8, STL
8			
7	475008	1	END CAP, RIGHT
6	500212	1	SCREW, #8-32 x 1/2 P.H., CR, STL, BLK.
5	500290	1	NUT, HEX, #8-32, BLK. STL.
4	500201	2	SCREW, #8-32 x 3/8 P.H. BLK. STL
3	302106	1	TRANSFORMER, POWER
2	800169	1	P.C. BOARD S/A M/M
1	005478	4	POTENTIOMETER, SLIDE, 60MM 2K

## MISC. PARTS LIST



**Electro-Voice** INC.  
a gulton company

600 Cecil Street, Buchanan, Michigan 49107